

fun-path-cons^{11,40}

$\forall T:\text{Type}, f:(T \rightarrow T), L:(T \text{ List}), x, y, z:T.$

$z=f*(x) \text{ via } [y / L]$

$\iff \{z = y$

$\& ((0 < \|L\|) \Rightarrow (y = f(\text{hd}(L)) \& (\neg(y = \text{hd}(L))) \& \text{hd}(L)=f*(x) \text{ via } L))$

$\& ((\neg(0 < \|L\|)) \Rightarrow (x = y))\}$